USB-VGA/HDMI DISPLAY ADAPTER

USER MANUAL

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INTRODUCTION

Thank you for purchased the **USB-VGA/HDMI DISPLAY ADAPTER**. The **USB-VGA/HDMI DISPLAY ADAPTER** enables you to connect one display devices (CRT/LCD monitor, projector) to your desktop or notebook PC. The connected display can act as mirrored or extended desktop of the main display on your PC. The flexibility of the common USB 3.0 technology saves the need to open the computer or struggling with compatibility issues related to the VGA card.

FEATURES

- Support display resolution up to 1920 x1080
- Multi graphics display modes – Primary, Extended and Mirror
- Plug-and-Play USB connectivity
- USB 3.0 compliant

SYSTEM REQUIREMENTS

- Pentium 4 / Celeron Family, AMD K6 / Athlon / Duron Family.
  1.0GHz or higher processor
- 512MB RAM or higher;
  (Higher memory recommended for optimal performance)
- Available USB 3.0 port
- Windows 2000 SP4 / Windows XP SP2 / Windows Vista / Windows 7/8

PACKAGE CONTENTS

- USB-VGA/HDMI DISPLAY ADAPTER
- CD (User Manual, Driver and Utility)
- Quick Installation Guide

NOTE

- Do not plug the **USB-VGA/HDMI DISPLAY ADAPTER** into your PC or Notebook before executing the set-up or un-installation program.

INSTALLATION ON WINDOWS 2000/XP

DEVICE DRIVER INSTALLATION

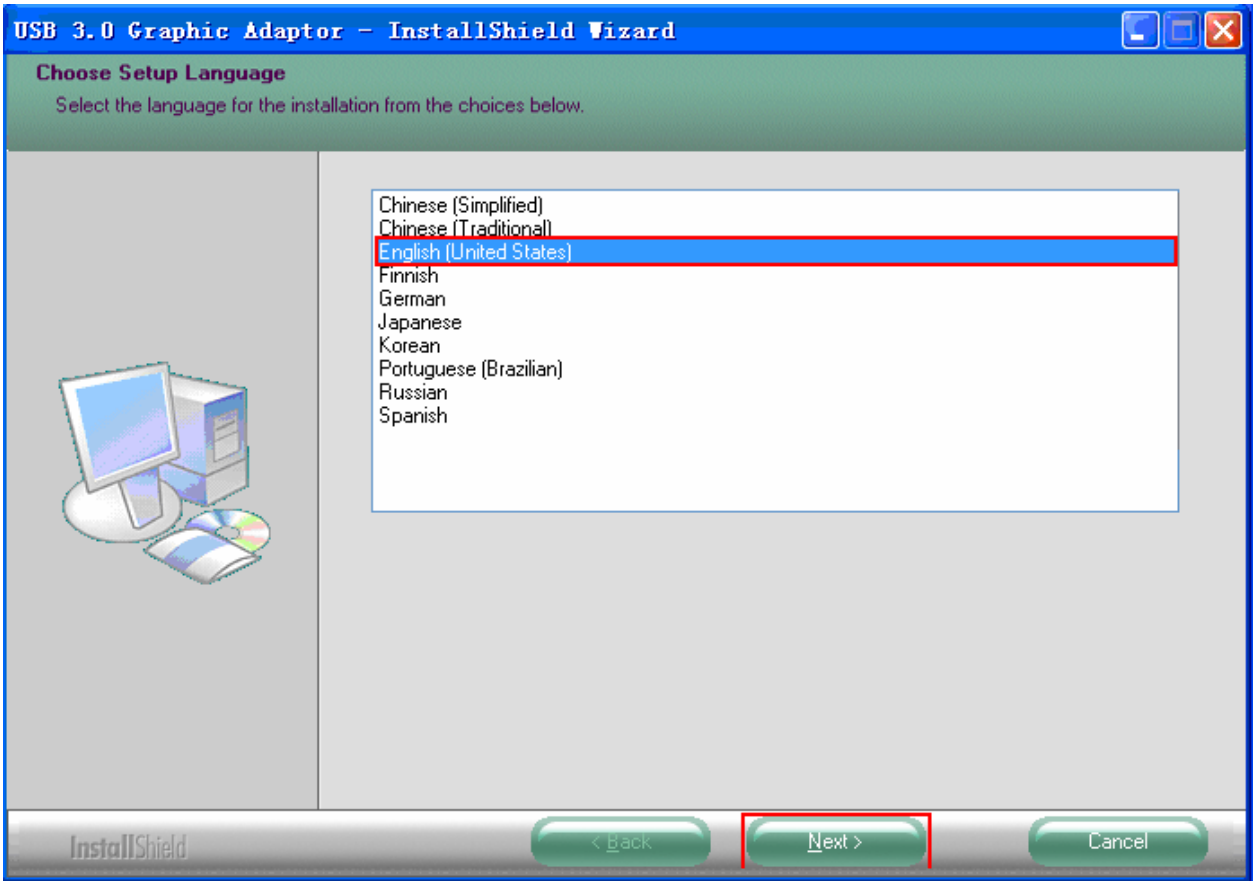
Installing the device driver enables your computer's operating system to recognize the **USB-VGA/HDMI DISPLAYADAPTER** once it's connected. Please check your operating system and refer to the appropriate installation procedure to begin installing the device driver.Please make sure the **USB-VGA/HDMI DISPLAYADAPTER** is **unplugged** from your PC or Notebook before executing the setup program. This section illustrates the simple device driver installation procedure for computer running Windows 2000 / XP operating system.

Step 1.

Insert the Driver CD into the CD-ROM drive; the setup program should be launched automatically. If setup program does not begin automatically, click Start, Run and double click "**D:\Setup.exe**" (where D: is the path of your CD-ROM drive).

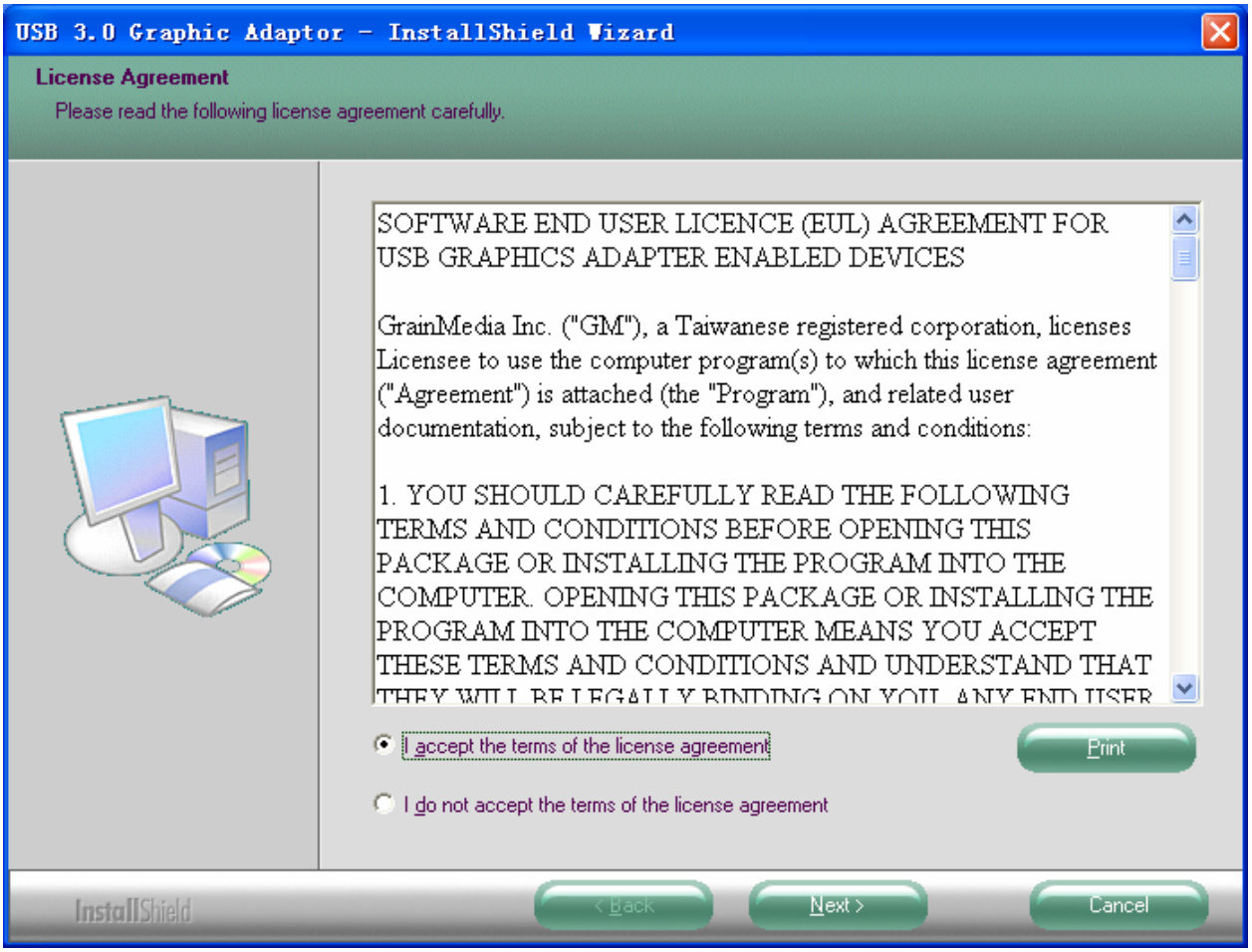
Step 2.

Driver Installation Wizard, Select the "**language"**and click "**Next**" to continue.

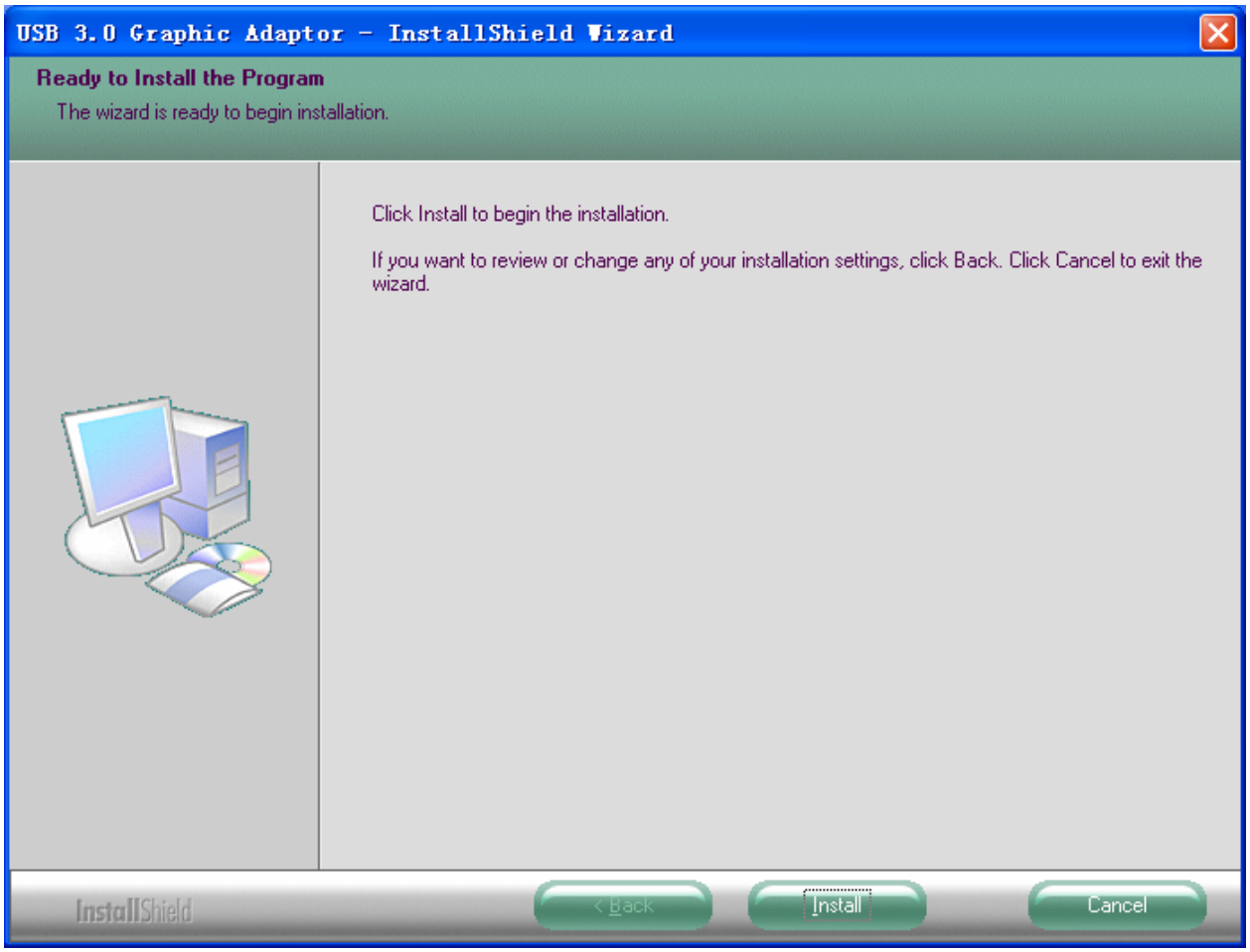


Step 3.

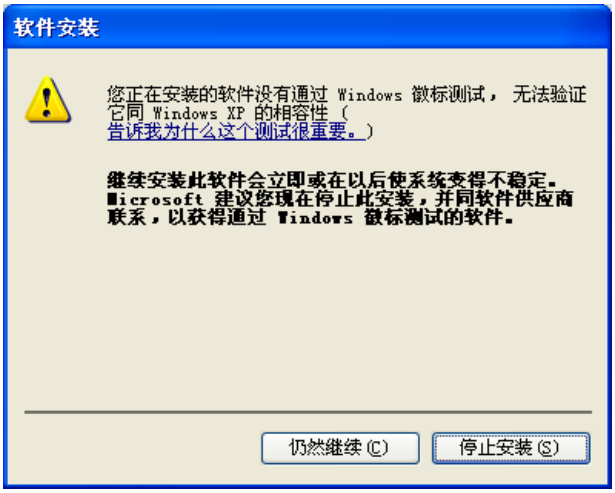
License Agreement; please read it and select **"I accept the terms of the license agreement**." Click "**Next**" to accept the License Agreement.


USB 3.0 Graphic Adaptor - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
SOFTWARE END USER LICENCE (EUL) AGREEMENT FOR USB GRAPHICS ADAPTER ENABLED DEVICES
GrainMedia Inc. ("GM"), a Taiwanese registered corporation, licenses Licensee to use the computer program(s) to which this license agreement ("Agreement") is attached (the "Program"), and related user documentation, subject to the following terms and conditions:
1. YOU SHOULD CAREFULLY READ THE FOLLOWING TERMS AND CONDITIONS BEFORE OPENING THIS PACKAGE OR INSTALLING THE PROGRAM INTO THE COMPUTER. OPENING THIS PACKAGE OR INSTALLING THE PROGRAM INTO THE COMPUTER MEANS YOU ACCEPT THESE TERMS AND CONDITIONS AND UNDERSTAND THAT
I accept the terms of the license agreement
I do not accept the terms of the license agreement
Print
InstallShield
< Back
Next >
Cancel

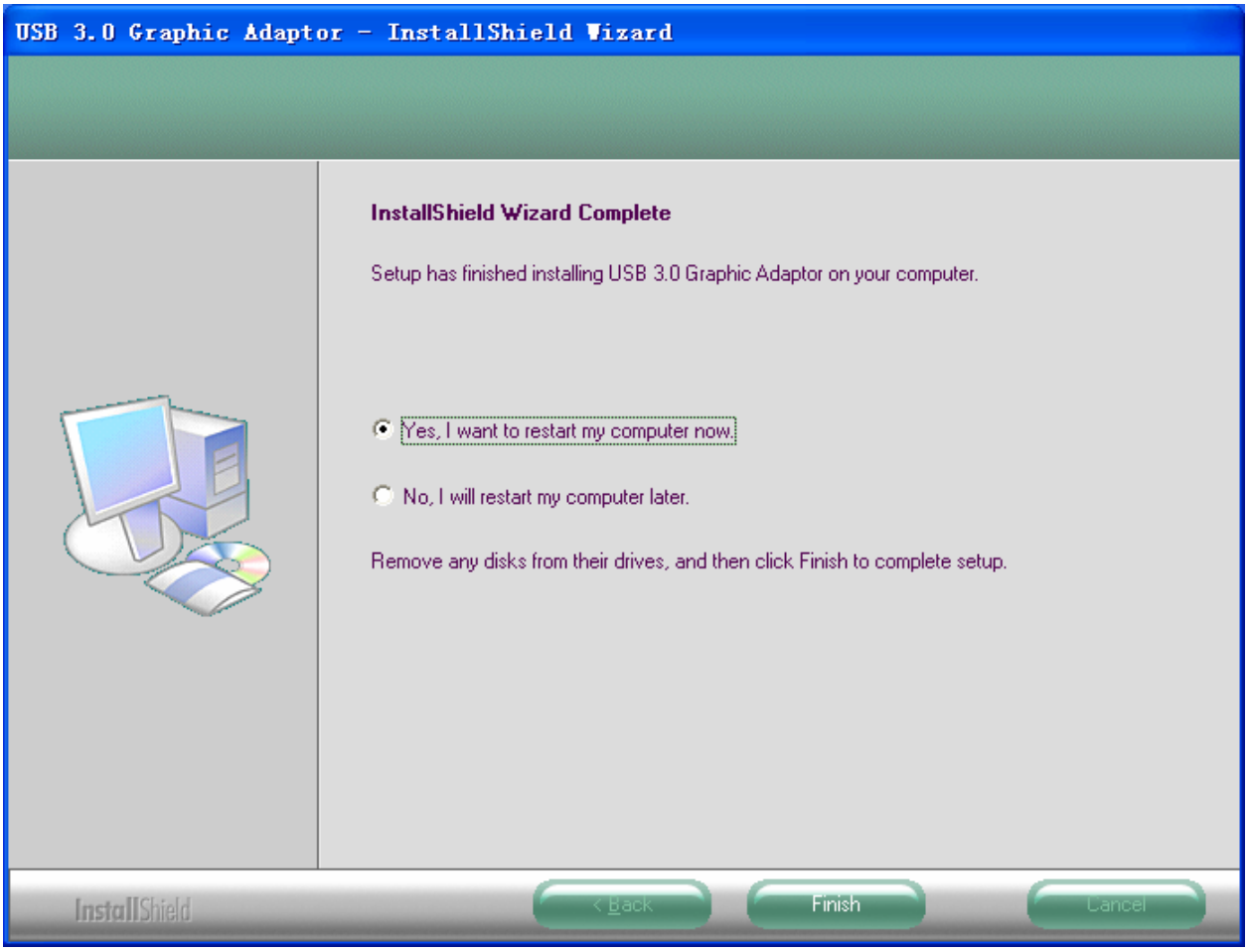
Step 4.
Ready to Install the Program;
click "**Install**" to continue.


USB 3.0 Graphic Adaptor - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

Step 5.
The Microsoft Software Installation Certificate warning dialogue box, please click "**Continue Anyway**" to continue with the device driver installation. This will not affect the device driver installation and the device usage.



Step 6.
Please select **"Yes,I want to restart my computer now**",click "Finish" to complete setup, and then restart you computer.


USB 3.0 Graphic Adaptor - InstallShield Wizard
InstallShield Wizard Complete
Setup has finished installing USB 3.0 Graphic Adaptor on your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
InstallShield
< Back
Finish
Cancel

Step 7.
Insert the USB adapter into your PC/notebook USB slot.
Please select **"Install the software automatically (Recommended)".**
And click **"Next"** to continue.

Step 8.
Please select **“Install the software automatically (Recommended)”**to install the audio driver.
And click **”Next”** to continue.

Step 9.
Click **"Finish**" to complete the Hardware Wizard.

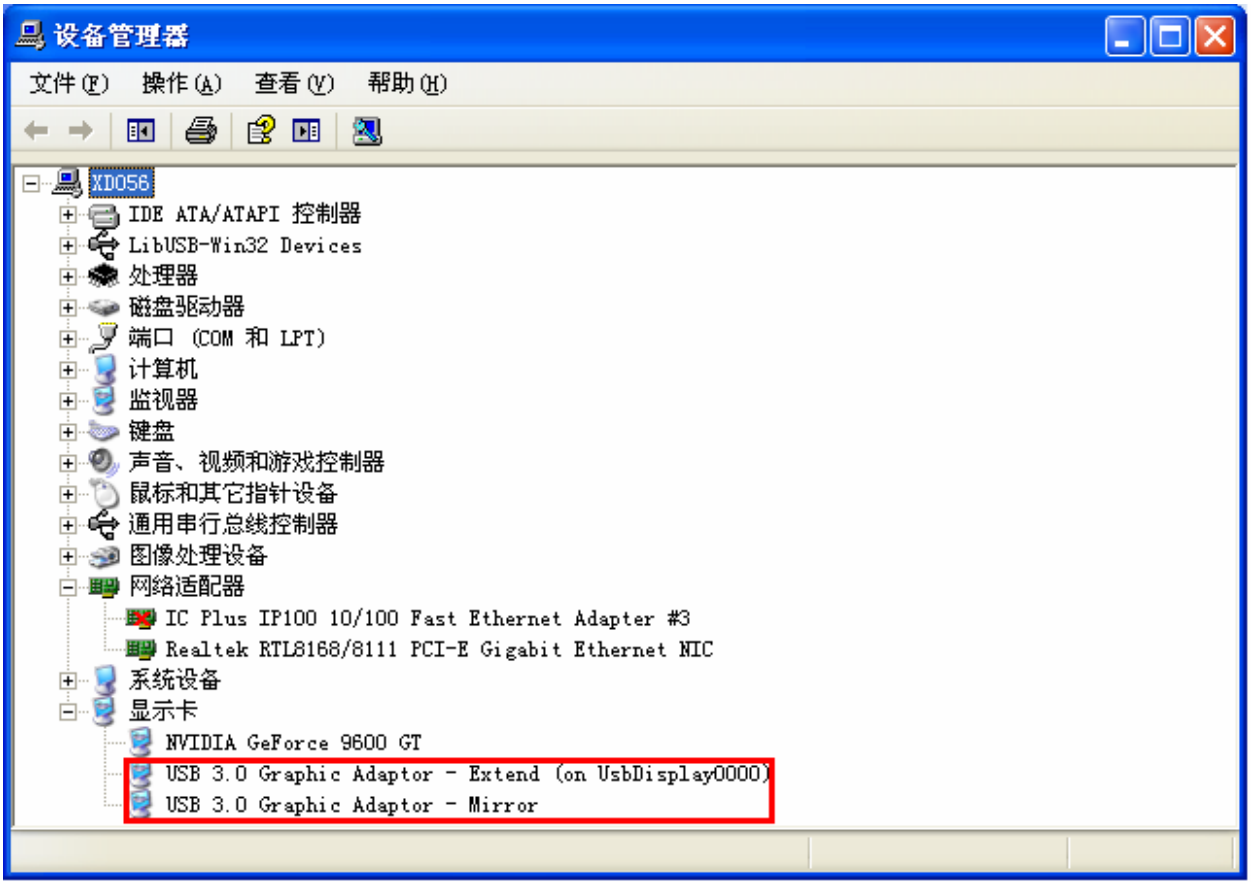
VERIFYING DEVICE DRIVER INSTALLATION

The following procedure allows you to verify the device driver installation.

Please right click "**My Computer**" → "**Properties**" → "**Hardware**" → "**Device Manager**".

Plug-in the **USB-VGA/HDMI DISPLAY ADAPTER**, then double click "**Display adapters**". It will show the new directions as below,

※SINGLE USB-VGA/HDMI DISPLAY ADAPTER INSTALLATION ON THE COMPUTER



DEVICE DRIVER UN-INSTALLATION

Step 1.

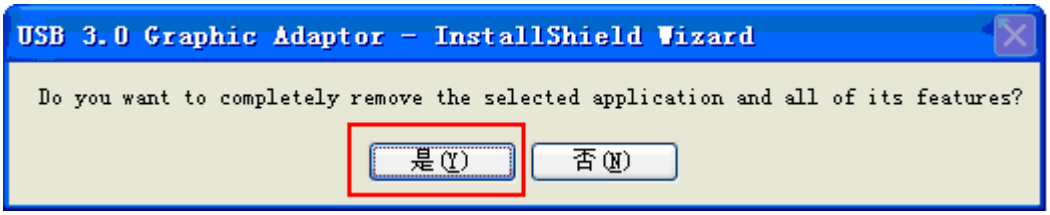
Start menu:
Click "Start" → "Control Panel" → "Add or Remove Programs".

Classic start menu:
Click "**Start**" → "**Settings**" → "**Control Panel**" → "**Add or Remove Programs**".

Select "USB 3.0 Graphic Adapter" item. Click "**Remove**" button.

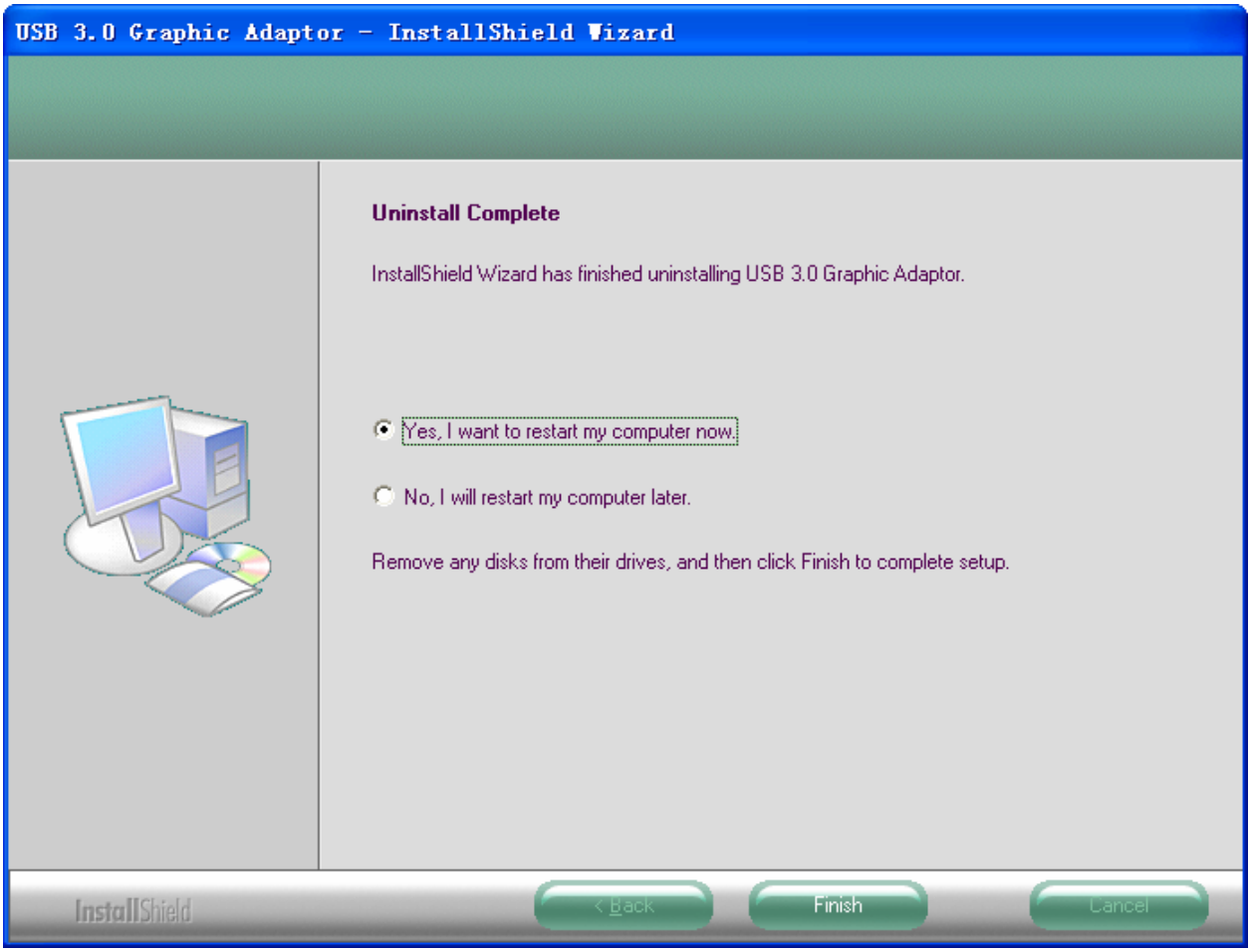
Step 2.

click "**Yes**" to remove.


USB 3.0 Graphic Adaptor - InstallShield Wizard
Do you want to completely remove the selected application and all of its features?
是(Y)
否(N)

Step 3.

Select "**Yes, I want to restart my computer now**" and click "**Finish**" to reboot.


USB 3.0 Graphic Adaptor - InstallShield Wizard
Uninstall Complete
InstallShield Wizard has finished uninstalling USB 3.0 Graphic Adaptor.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
InstallShield
< Back
Finish
Cancel

INSTALLATION ON WINDOWS 7

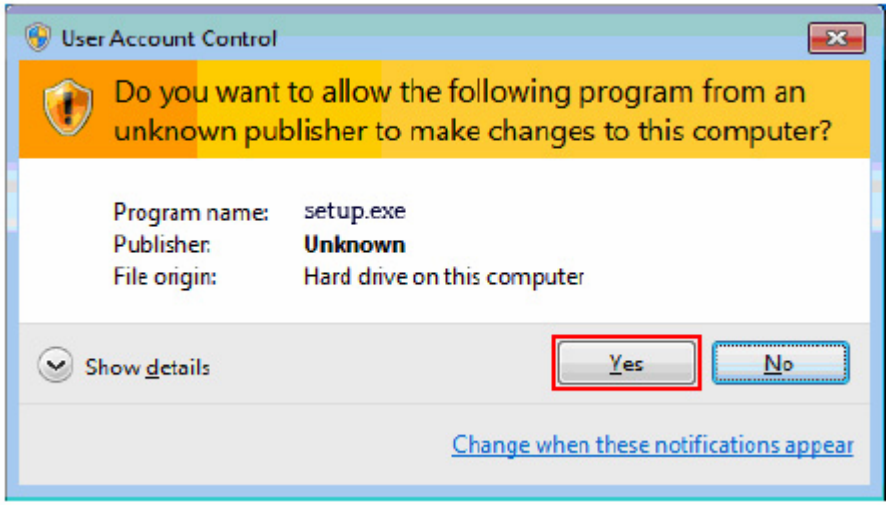
DEVICE DRIVER INSTALLATION

Installing the device driver enables your computer's operating system to recognize the adapter once it's connected. Please check your operating system and refer to the appropriate installation procedure to begin installing the device driver. Please make sure the **USB-VGA/HDMI DISPLAY ADAPTER** is **unplugged** from your PC or Notebook before executing the setup program. This section illustrates the simple device driver installation procedure for computer running Windows 7 operating system.

Step 1.

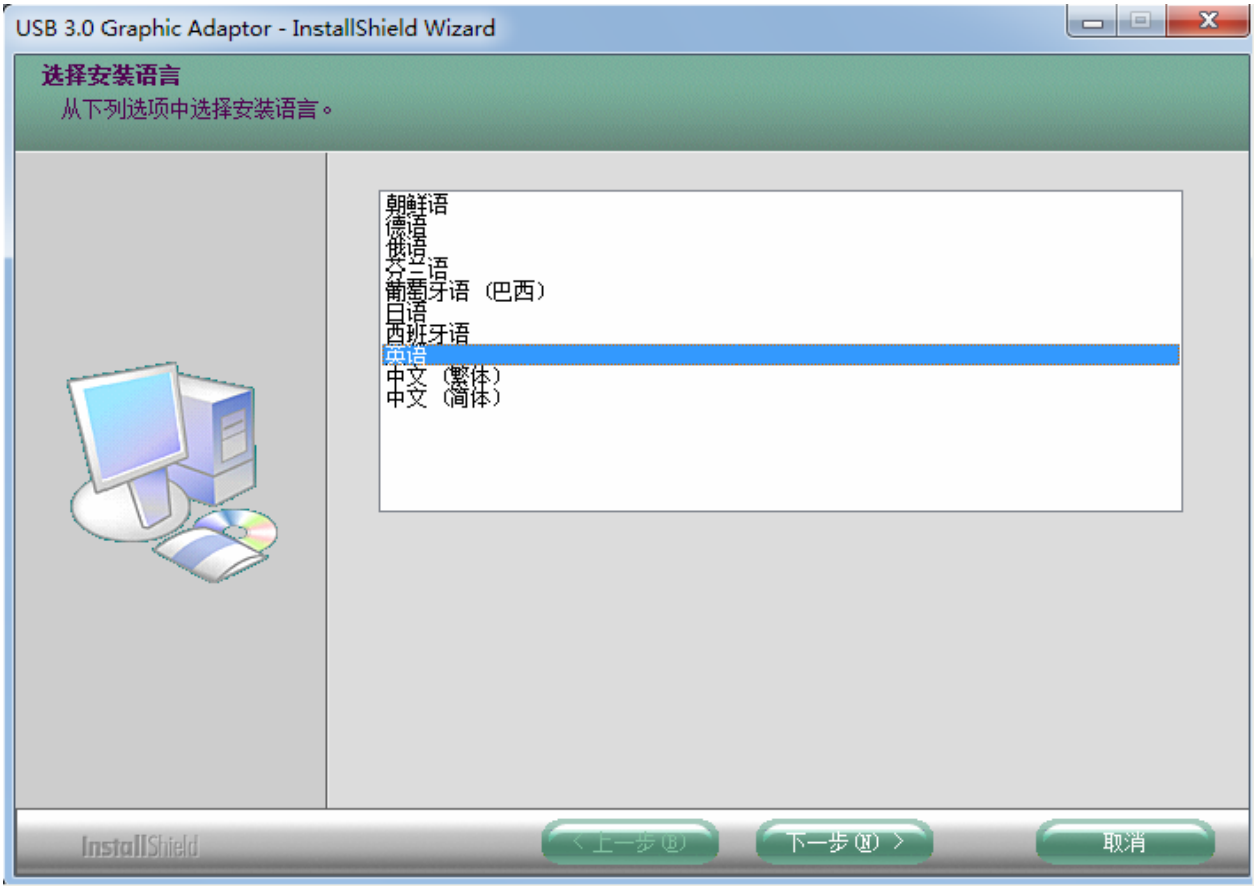
Insert the Driver CD into the CD-ROM drive; the setup program should be launched automatically. If setup program does not begin automatically, click Start, Run and double click "**D:\Setup.exe**" (where D: is the path of your CD-ROM drive).

If the system prompts the User Account Control（UAC） verification, please click "Yes" to process the installation.


User Account Control
Do you want to allow the following program from an unknown publisher to make changes to this computer?
Program name: setup.exe
Publisher: Unknown
File origin: Hard drive on this computer
Show details
Yes
No
Change when these notifications appear

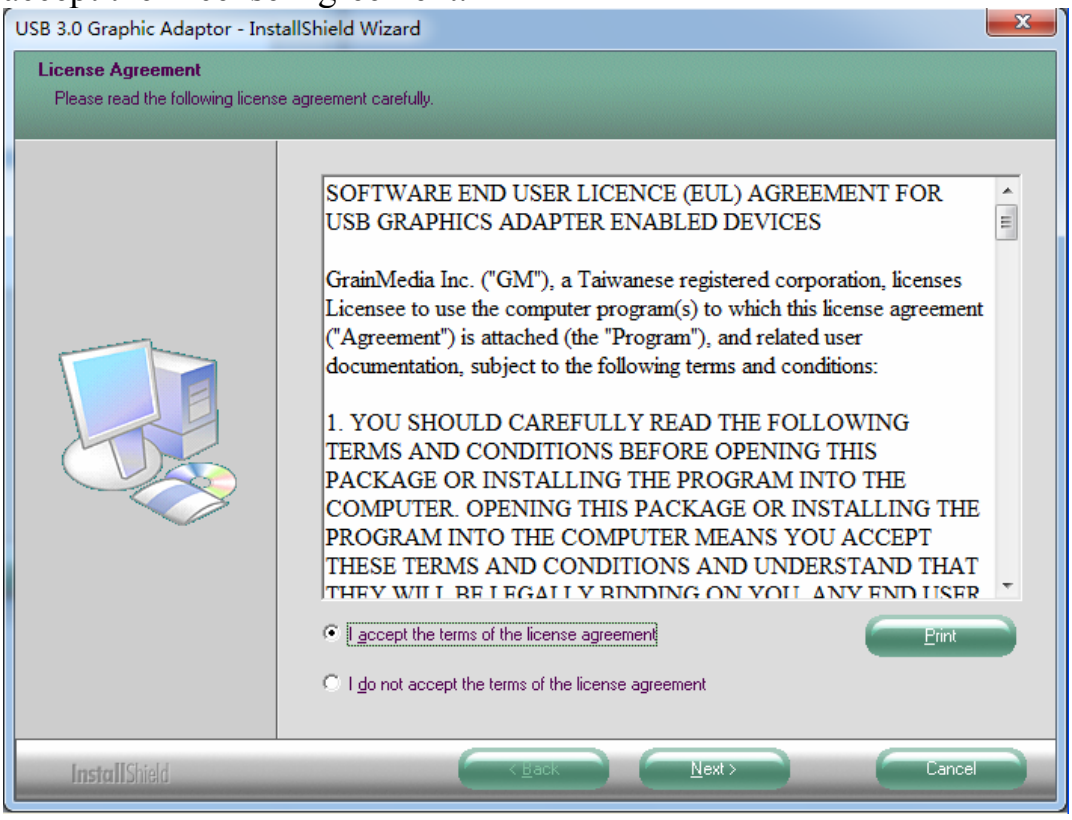
Step 2.

Driver Installation Wizard, select the language click "**Next**" to continue.



Step 3.

License Agreement; please read it and select **"I accept the terms of the license agreement**." Click "**Next**" to accept the License Agreement.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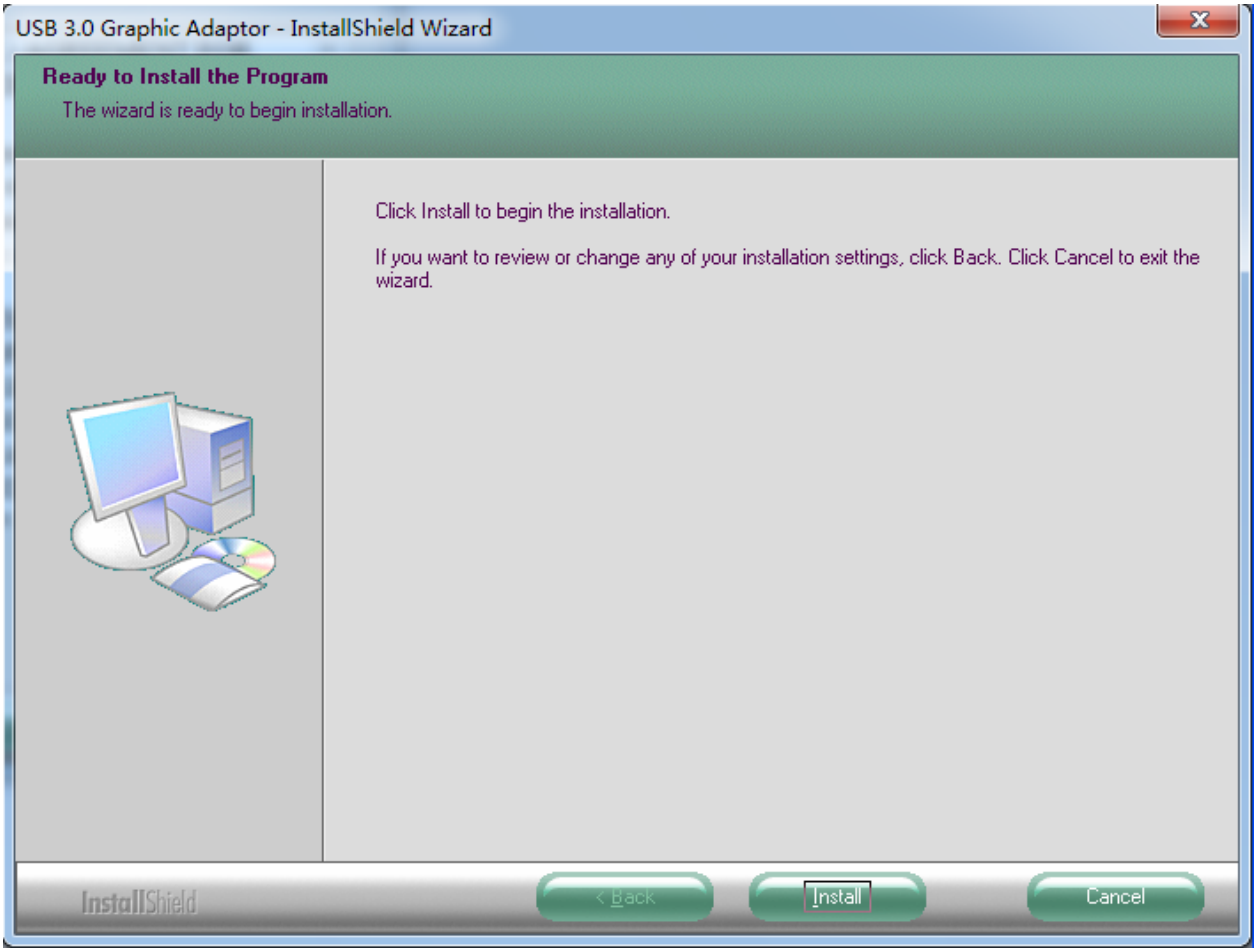
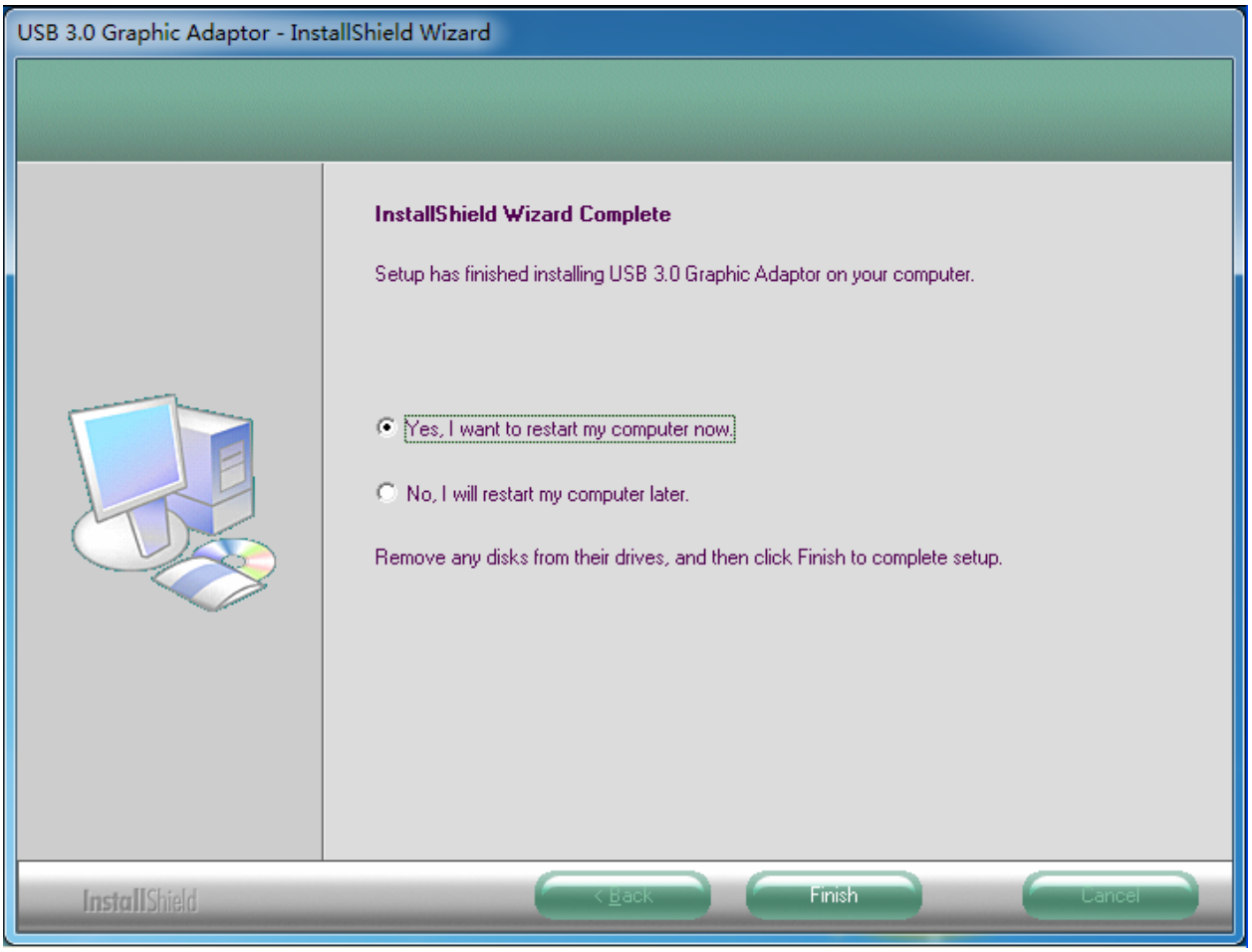
Print
I do not accept the terms of the license agreement
InstallShield
< Back
Next >
Cancel

Step 4.

Click "**install**" to install the driver. There might be screen flash or black screen during the installation, this is normal, please wait patiently.


USB 3.0 Graphic Adaptor - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

Step 5.
Select "**Yes, I want to restart my computer now**" and click "**Finish**" to reboot.


USB 3.0 Graphic Adaptor - InstallShield Wizard
InstallShield Wizard Complete
Setup has finished installing USB 3.0 Graphic Adaptor on your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
InstallShield
< Back
Finish
Cancel

Step 6.
After restart the computer, connect the USB 3.0 display adaptor to the system. After the system has installed the drivers for the display adaptor, users can then use the display adaptor.

VERIFYING DEVICE DRIVER INSTALLATION

The following procedure allows you to verify the device driver installation.

Please right click "**My Computer**" → "**Manager**" → "**Device Manager**".

Plug-in the **USB-VGA /HDMI DISPLAY ADAPTER**, then double click "**Display adapters**", It will show the new directions as below,

※SINGLE USB-VGA/HDMI DISPLAY ADAPTER INSTALLATION ON THE COMPUTER

DEVICE DRIVER UN-INSTALLATION

Step 1.

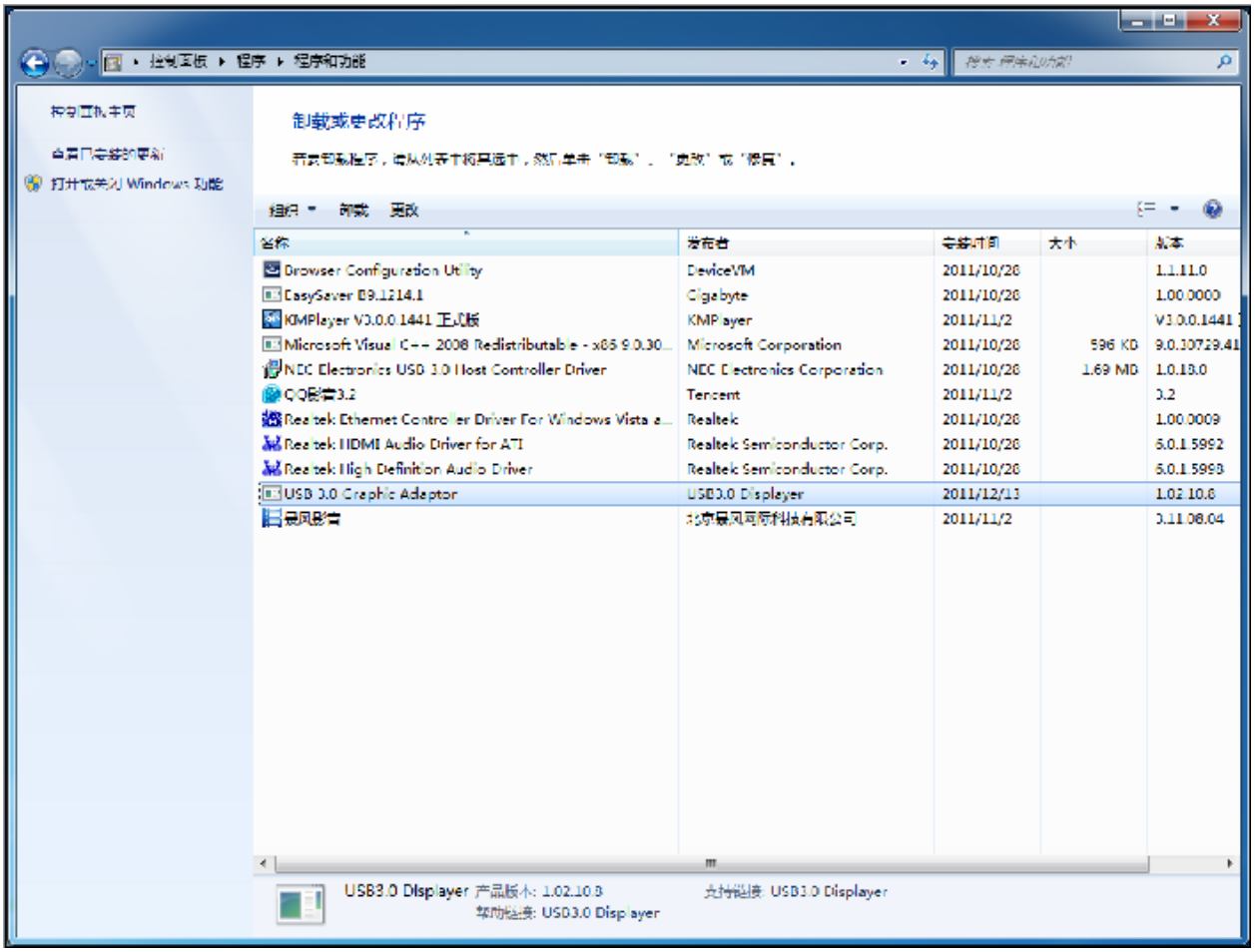
Start menu:

Click "Start" → "

"Control Panel" →

"Programs" →

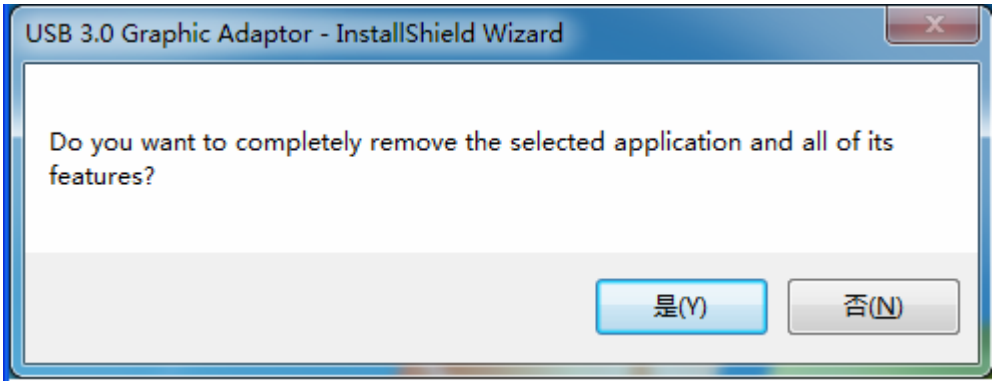
"Uninstall a program"



Select “USB 3.0 Graphic Adapter” ” item. Click “**Uinstall**” button.

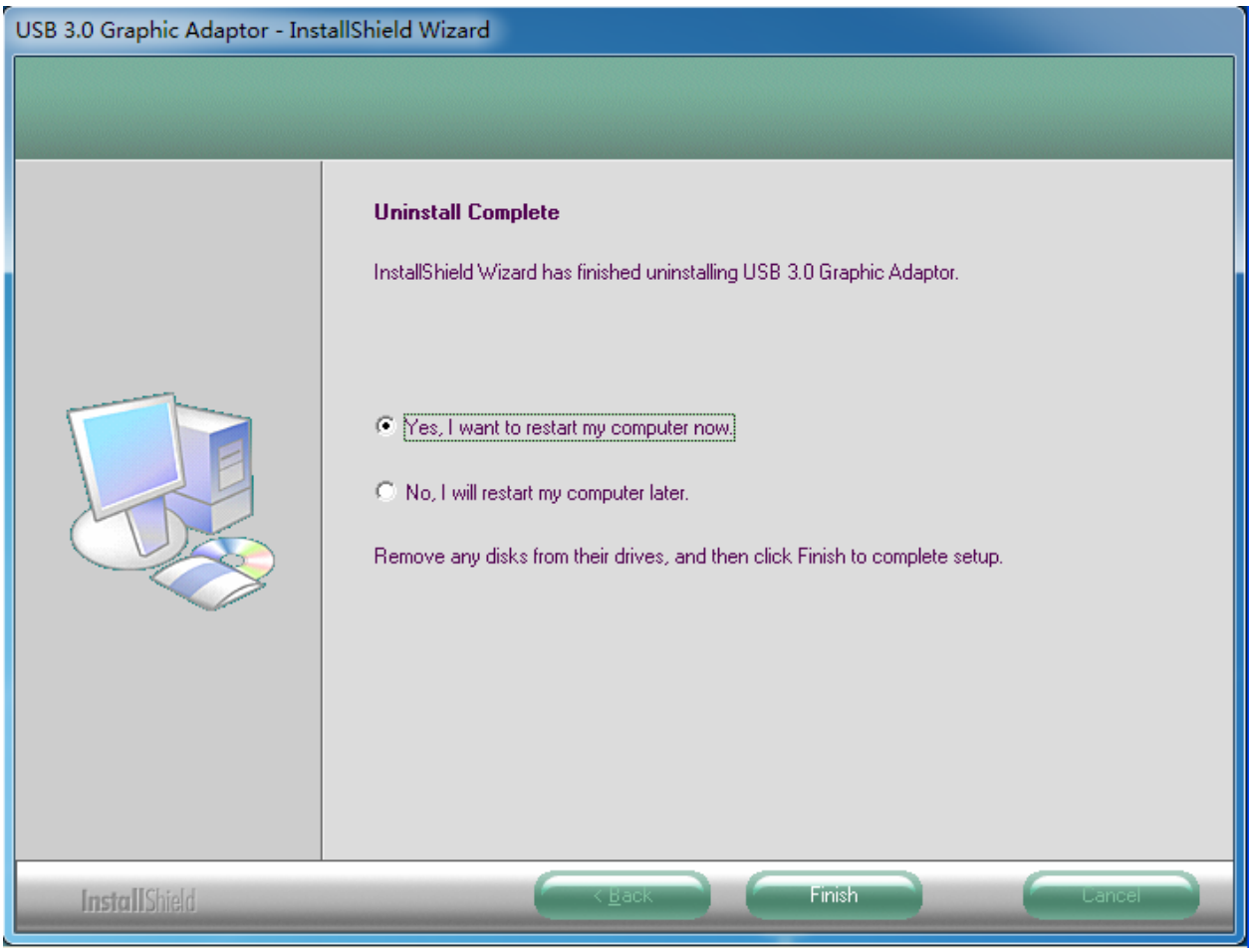
Step 2.

click “**Yes**” to remove.


USB 3.0 Graphic Adaptor - InstallShield Wizard
Do you want to completely remove the selected application and all of its features?
是(Y)
否(N)

Step 3.

Select “**Yes, I want to restart my computer now**” and click “**Finish**” to reboot.


USB 3.0 Graphic Adaptor - InstallShield Wizard
Uninstall Complete
InstallShield Wizard has finished uninstalling USB 3.0 Graphic Adaptor.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
InstallShield
< Back
Finish
Cancel

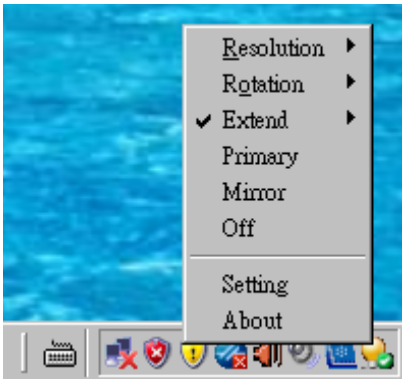
DISPLAY SETTING

1. adaptor status

When the display adaptor is connected to the computer and detected, the display utility will switch to the active status.

2. display setting Items

When users right click on the icon of the display utility, the screen will show a popup menu for users to configure the display setting, as shown in the follow figure.

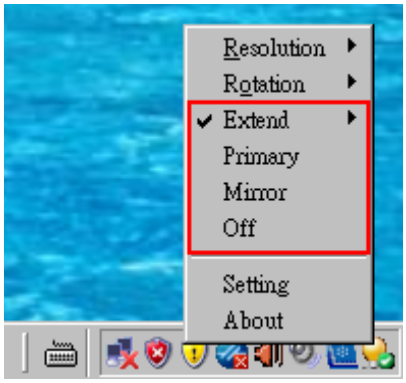


The display setting menu includes the functions listed in the following table.

Menu Option	Sub-menu Option	Description
Resolution	[Resolution list]	Set the resolution for the display adaptor. This option only applies to the extend mode or primary mode.
Rotation	Rotate none	No rotation to the display. This option only applies to the extend mode or primary mode.
	Rotate 90	Rotate the display by 90 degrees clockwise. This option only applies to the extend mode or primary mode.
	Rotate 180	Rotate the display by 180 degrees clockwise. This option only applies to the extend mode or primary mode.
	Rotate 270	Rotate the display by 270 degrees clockwise. This option only applies to the extend mode or primary mode.
Extend	Top	Attach the display adaptor as an extend display at the top of the primary display
	Bottom	Attach the display adaptor as an extend display at the bottom of the primary display
	Left	Attach the display adaptor as an extend display at the left of the primary display
	Right	Attach the display adaptor as an extend display at the right of the primary display
Primary	-	Attach the display adaptor as the primary display of the system desktop The origin primary display becomes the extend display of the display adaptor.
Mirror	-	Attach the display adaptor as a mirror display of the primary display
Off	-	Detach the display adaptor from the system desktop.

Note: At the present time, only Windows XP and Vista support the primary mode.

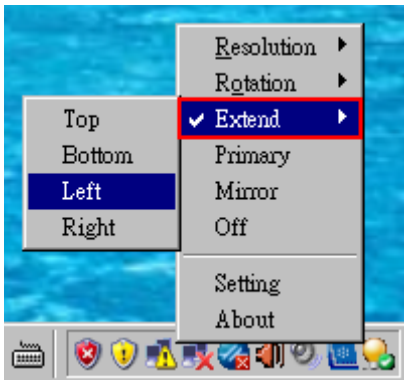
3. Display Mode Setting



The display modes include the Extend, Primary, Mirror, and Off modes. The check mark represents the active mode.

• Extend

Attach the display adaptor as an extend display of the primary display at the chosen direction



• Primary

Attach the display adaptor as the primary display, the origin of the primary display becomes the extend display of the display adaptor.

• Mirror

Attach the display adaptor as a mirror display of the primary display that clones the view on the primary display.

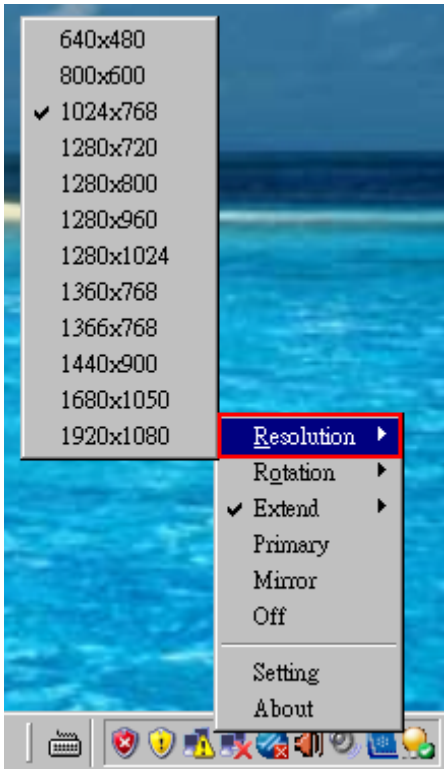
• Off

Detach the display adaptor from the system desktop. The display adaptor will turn off the display.

4. Display Resolution

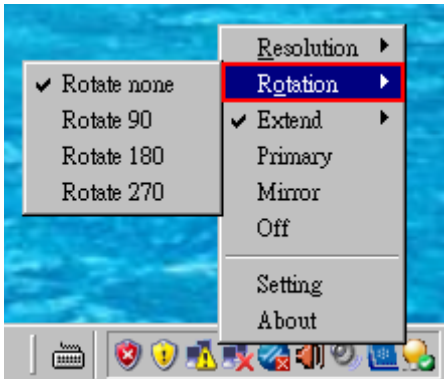
In the extend display or primary display mode, users can set the resolution that the display equipment supports. Only the resolution supported by the display equipment, for example 1920*1080, can the menu provide such resolution setting.

The mirror mode always uses the current resolution from the primary display.



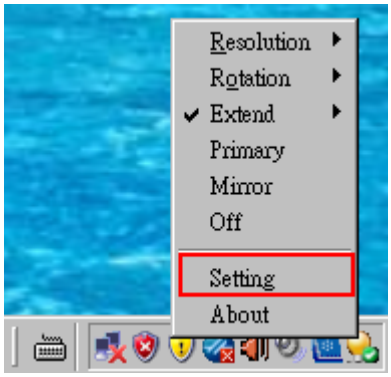
5. Rotate Setting

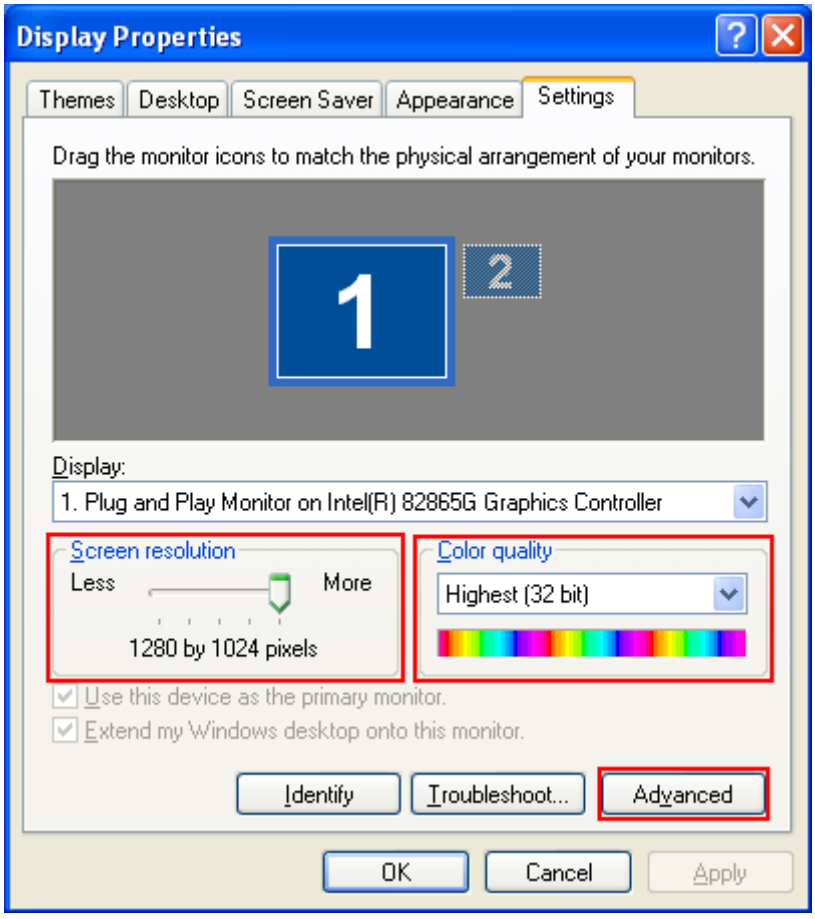
In the extend display or primary display mode, users can clockwisely rotate the display angle by 0/90/180/270 degrees. The mirror display mode does not support the rotate function.



6. System Display Control Panel

On Windows XP and Vista operating systems, the resolution, color depth, and extend display location can be controlled through the system display control panel. Please click on the setting menu to launch it.





Users can also launch the system display control panel by following the procedure below,

Right click the desktop > Properties > Setting

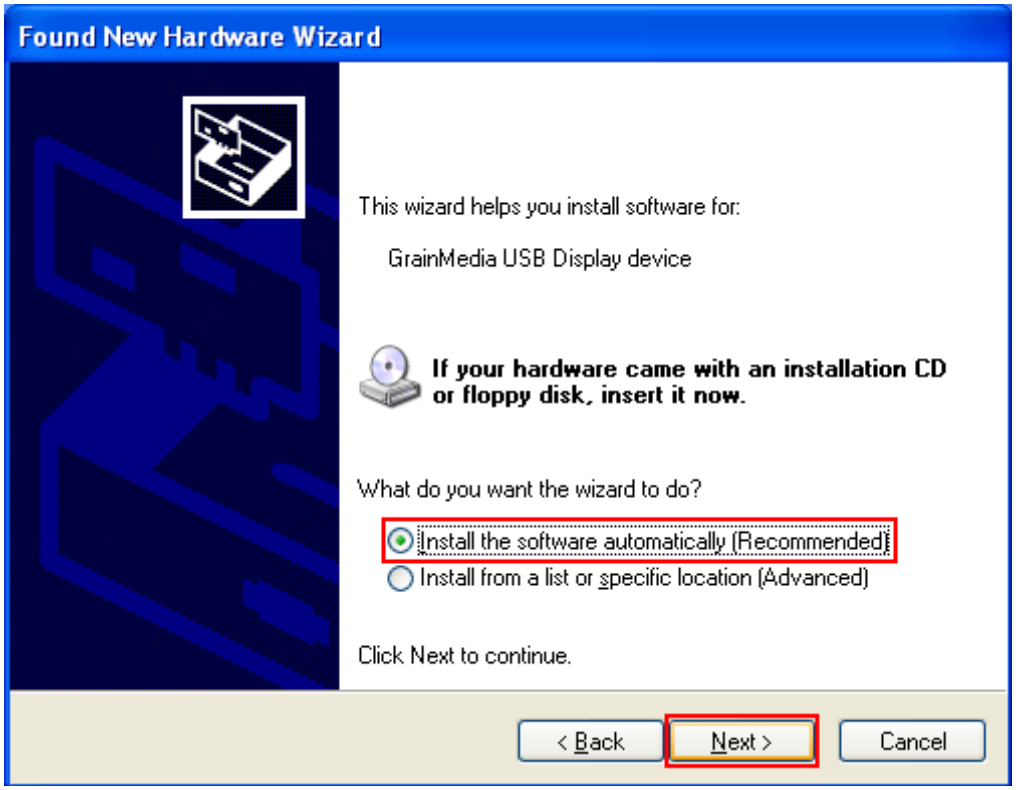
The USB 3.0 display adaptor does not support the configuration setting from the system display control panel on Windows 7.

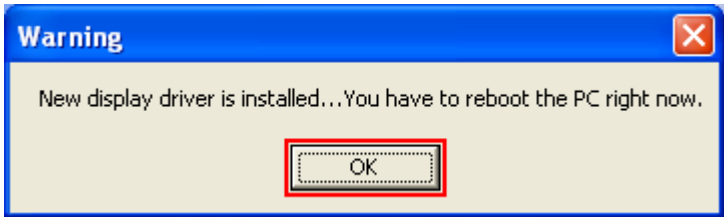
The mirror mode is not shown on the system display control panel because it has the same location as the primary display.

7. Multiple Display

The system can support up to six display adaptors with independent display settings.

The system will automatically install the USB driver and display driver for the newly arrived display adaptor.

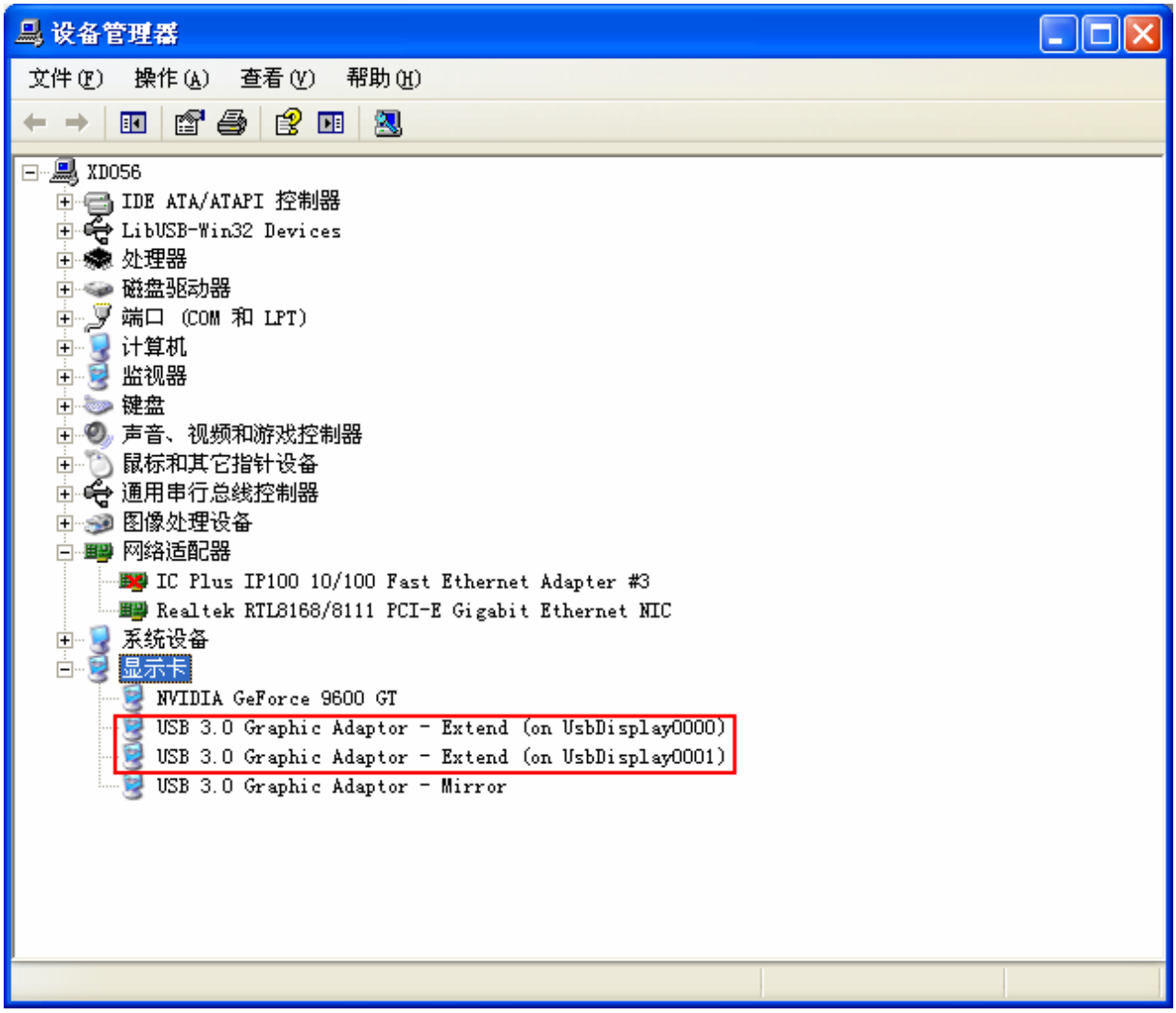

Found New Hardware Wizard
This wizard helps you install software for:
GrainMedia USB Display device
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel



Users should restart the computer for the installed drivers to take effect.

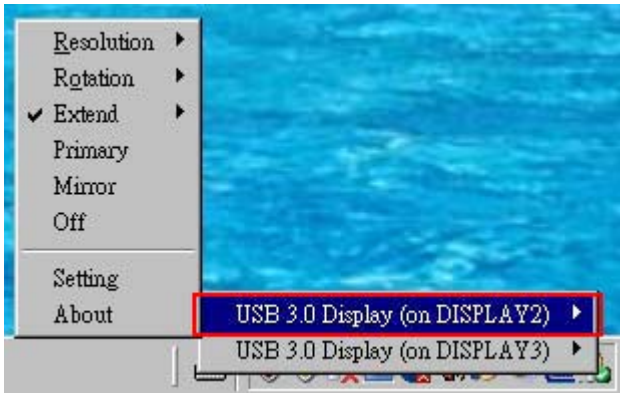
During the installation, the flash screen or black screen may happen, this is normal, and please wait patiently.

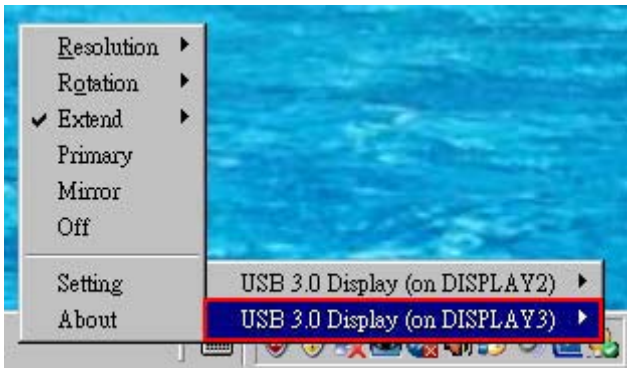
After reboot, users will find from the device manager the matching USB driver and display driver for the new display adaptor.



8.Display setting

Each display adaptor has its own display setting to configure with.





ATTACHMENT

1 Supported Common Display Resolution:

Specification	XP	Vista	Win7
Display driver architecture	XPDM	XPDM	XPDM
Display mode	Mirror/Extend/Primary Some system cannot be set to the primary mode.	Mirror/Extend/Primary Some system cannot be set to the primary mode.	Mirror and extend
Multiple instance	Maximum of 6 instances depending on the available memory system	Maximum of 6 instances depending on the available memory system	Maximum of 6 instances depending on the available memory system
Max Resolution	1920*1080	1920*1080	1920*1080
Driver auto installation	Support	Support	Support
Compression	Support	Support	Support
Color depth	32 bits/16 bits	32 bits	32 bits
Rotate	Extend: Rotate 0/90/180/270 degrees Mirror: Not support	Extend: Rotate 0/90/180/270 degrees Mirror: Not support	Extend: Rotate 0/90/180/270 degrees Mirror: Not support
Bios	Not support No image out at bios level	Not support No image out at the BIOS level	Not support No image out at the BIOS level
Aero mode	N/A	Not support Aero mode will be disabled when the attached XPDM display is on.	Not support Aero mode will be disabled when the attached XPDM display is on.

2 Video/3D Limitation

Video/3D Limitation	XP	Vista	Win7
Video Overlay mixer render	Yes, please note that * CPU utilization maybe high on some system. * May not render high-resolution video on some player.	N/A	N/A
Video EVR render	N/A	Not support the EVR render like Media Player	Not support the EVR render like Media Player
Video VMR9 render	N/A	Not support	Not support
Video VMR7 render	Support	Support	Support
3D	Not support	Not support	Not support
DXVA	Not support	Not support	Not support
Protected content, like Blu-ray Disk	Not support	Not support	Not support

This table lists the video/3D limitation of the driver for displaying 3D animation.

3 Compatible Test for Video Player

The following tables list the driver that supports the video player application and video format under the XP,Vista, and Win7/Win8 environments.

. XP

Video Player	Mode	3GP	avi	flv	mkv	mov	mp4	mpg2	mpg	wmv	rmvb
Windows media player 9 (9.00.00.4503)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (System default render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (Overlay mixer render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (VMR-7 Windowed render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (VMR-9 Windowed render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	X
Media Player Classic Home-Cinema 1.5.0.2827 (VMR-7 non-converting render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (VMR-9 non-converting render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	X
KMPlayer 3.0.0.1441	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	X	X	X	X	X	X	X	X	X	X

Video Player	Mode	3GP	avi	flv	mkv	mov	mp4	mpg2	mpg	wmv	rmvb
RealPlayer 12.0.1.652	Primary	V	V	X	X	X	V	V	V	V	V
	Extend	V	V	X	X	X	V	V	V	V	V
	Mirror	V	V	X	X	X	V	V	V	V	V
VLC 1.1.10 (DirectDraw output)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
VLC 1.1.10 (Windows GDI output)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
Storm codec 3.11.06.29	Primary	V	V	V	V	V	V	V	V	V	X
	Extend	V	V	V	V	V	V	V	V	V	X
	Mirror	V	V	V	V	V	V	V	V	V	X
QuickTime 7.69.80.9	Primary	V	X	V	X	V	V	X	V	X	X
	Extend	V	X	V	X	V	V	X	V	X	X
	Mirror	X	X	X	X	X	X	X	X	X	X

Test Result	Description
V	Play video OK
X	Play video Failed.

. Vista

Video Player	Mode	3GP	avi	flv	mkv	mov	mp4	mpg	mpg2	wmv	rmvb
Windows media player 9 (9.00.00.4503)	Primary	X	X	X	X	X	X	X	X	X	X
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (System default render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (Old renderer)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (Overlay mixer render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (VMR-7 Windowed render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (VMR-9 Windowed render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (VMR-7 non-converting render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (VMR-9 non-converting render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (EVR render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
KMPlayer 3.0.0.1441 (Old renderer)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V

Video Player	Mode	3GP	avi	flv	mkv	mov	mp4	mpg	mpg2	wmv	rmvb
KMPlayer 3.0.0.1441 (Overlay mixer render)	Primary	X	X	X	X	X	X	X	X	X	X
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
KMPplayer 3.0.0.1441 (VMR-7 Windowed render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
KMPplayer 3.0.0.1441 (VMR-9 Windowed render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
KMPlayer 3.0.0.1441 (VMR-7 non-converting render)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
KMPlayer 3.0.0.1441 (VMR-9 non-converting render)	Primary	X	X	X	X	X	X	X	X	X	X
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
KMPlayer 3.0.0.1441 (EVR render)	Primary	X	X	X	X	X	X	X	X	X	X
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
RealPlayer 12.0.1.652	Primary	X	V	X	X	X	X	V	V	X	V
	Extend	X	V	X	X	X	X	V	V	X	V
	Mirror	X	V	X	X	X	X	V	V	X	V
VLC 1.1.10 (Default)	Primary	X	X	X	X	X	X	X	X	X	X
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
VLC 1.1.10 (Windows GDI)	Primary	V	V	V	V	V	V	V	V	V	V
	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
VLC 1.1.10 (DirectX)	Primary	X	X	X	X	X	X	X	X	X	X
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
VLC 1.1.10 (Direct3D)	Primary	X	X	X	X	X	X	X	X	X	X
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V

Video Player	Mode	3GP	avi	flv	mkv	mov	mp4	mpg	mpg2	wmv	rmvb
Storm codec 3.11.06.29 (Default render)	Primary	V	V	V	V	V	V	V	V	V	X
	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	X
QuickTime 7.69.80.9	Primary	V	X	X	X	V	V	X	X	X	X
	Extend	V	X	X	X	V	V	X	X	X	X
	Mirror	V	X	X	X	V	V	X	X	X	X

Test Result	Description
V	Play video OK
X	Play video Failed.

. Win7

Video Player	Mode	3GP	avi	flv	mkv	mov	mp4	mpg	mpg2	wmv	rmvb
Windows media player 9 (9.00.00.4503)	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (System default render)	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (Old renderer)	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (Overlay mixer render)	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (VMR-7 Windowed render)	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (VMR-9 Windowed render)	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (VMR-7 non-converting render)	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (VMR-9 non-converting render)	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
Media Player Classic Home-Cinema 1.5.0.2827 (EVR render)	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V
KMPlayer 3.0.0.1441 (Old Renderer)	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
KMPlayer 3.0.0.1441 (Overlay Mixer)	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
KMPlayer 3.0.0.1441 (VMR-7 Windowed render)	Extend	V	V	V	V	V	V	V	V	V	V
	Mirror	V	V	V	V	V	V	V	V	V	V
KMPlayer 3.0.0.1441 (VMR-9 Windowed render)	Extend	X	X	X	X	X	X	X	X	X	X
	Mirror	V	V	V	V	V	V	V	V	V	V

Video Player	Mode	3GP	avi	flv	mkv	mov	mp4	mpg	mpg2	wmv	rmvb
KMPlayer 3.0.0.1441	Extend	X	X	X	X	X	X	X	X	X	X
(VMR-7 non-converting render)	Mirror	V	V	V	V	V	V	V	V	V	V
KMPlayer 3.0.0.1441	Extend	X	X	X	X	X	X	X	X	X	X
(EVR render)	Mirror	V	V	V	V	V	V	V	V	V	V
KMPlayer 3.0.0.1441	Extend	X	X	X	X	X	X	X	X	X	X
(VMR-9 non-converting render)	Mirror	V	V	V	V	V	V	V	V	V	V
RealPlayer 12.0.1.652	Extend	X	V	X	X	X	X	V	X	X	X
	Mirror	X	V	X	X	X	X	V	X	V	X
VLC 1.1.10	Extend	X	X	X	X	X	X	X	X	X	X
(Default)	Mirror	V	V	V	V	V	V	V	V	V	V
VLC 1.1.10	Extend	V	V	V	V	V	V	V	V	V	V
(Windows GDI)	Mirror	V	V	V	V	V	V	V	V	V	V
VLC 1.1.10	Extend	X	X	X	X	X	X	X	X	X	X
(DirectX)	Mirror	V	V	V	V	V	V	V	V	V	V
VLC 1.1.10	Extend	X	X	X	X	X	X	X	X	X	X
(Direct3D)	Mirror	V	V	V	V	V	V	V	V	V	V
Storm codec 3.11.06.29	Extend	X	X	X	X	X	X	X	X	X	X
(Default)	Mirror	V	V	V	V	V	V	V	V	V	V

Test Result	Description
V	Play video OK
X	Play video Failed.

Note: The USB 3.0 display adaptor does not support the primary mode under Windows 7 environment.

Q&A

This section describes the common Q&A regarding to the installation or operation of the USB-VGA/HDMI Display Adapter.

Q: Why can't I make the USB-VGA /HDMI DISPLAY ADAPTER the primary display?

A: Some video cards ship their product with a utility that prevent other video cards from being set as the primary card. Check the bottom right hand corner taskbar for the utility. Disable the utility before switching our adapter to be the primary display.

Q: Why won't my DVD player work when I move it over to the extended display?

A: Some DVD playback software packages do not support playing on a second display adapter of any kind. You may try to open the program in the secondary display first before playing the DVD.

Q: How come my video will not play on Media Player if I move it over to the extended desktop?

A: Check that you have moved the Media Player window completely over to the second screen.

Q: Why does my mouse not move pass the right side of the screen as it should on extended desktop?

A: Check the display settings and make sure that your display number '2' is on the right side of display number '1'. You can rearrange how Windows treats each display in relation to each other in the Display Properties Settings.

Q: There are lines running horizontally up and down my screen.

A: This is due to a low refresh rate setting. You can change this in the Display Properties Settings Advanced Monitor. Make sure you select the USB-VGA /HDMI DISPLAY ADAPTER first and not set the refresh rate higher than what your monitor can support. This may damage your monitor. You can also try to reset/refresh/resynchronize your monitor.

TROUBLESHOOTING TIPS

The following troubleshooting tips may help if you are experiencing any difficulties using our device. Contact your dealer for additional assistance if needed.

- Check to make sure that all connectors are plugged in correctly.
- Make sure that the USB port that you are using is USB 3.0.
- Try a different USB 3.0 port and/or computer
- Check to see that the monitor is connected correctly and the power is ON.
- Try connecting the adapter directly to the computer instead of through a hub.
- Unplug all other USB devices from the system.
- Make sure to restart your computer after the driver installation.
- Unplug the adapter and re-insert it.
- Check the website to make sure you have the latest drivers.
- Reset/refresh/resynchronize your monitor.